

What is claimed is:

1. A mobile communication system broadcasting service data from a radio network controller to a radio terminal in response to a service joining request from the radio terminal, the service data corresponding to the service joining request, wherein the radio network controller comprises means for providing a delivering notice of the service data to the radio terminal by a paging message.
2. The mobile communication system according to claim 1, wherein the means for providing the service data delivering notice notifies the radio terminal by the paging message that notification information for the radio terminal has been changed, and provides the service data delivering notice to the radio terminal in the notification information.
3. The mobile communication system according to claim 1, wherein the means for providing the service data delivering notice notifies the radio terminal of a delivering schedule of the service data by the paging message.
4. The mobile communication system according to claim 1, wherein the means for providing the service data delivering notice notifies the radio terminal by the paging message that the notification information for the radio terminal has been changed, and notifies the radio terminal of the delivering schedule of the service data in the notification information.

5. The mobile communication system according to claim 1, wherein the radio terminal comprises means for acquiring the service data in a PICH (Paging Indication Channel) receivable state in accordance with information provided by the radio network controller.
6. The mobile communication system according to claim 1, wherein the service data is distributed in at least one of a continuous manner and a discontinuous manner, from the radio network controller to the radio terminal.
- 10 7. The mobile communication system according to claim 1, wherein the service data includes MBMS (Multimedia Broadcast Multicast Service) data.
8. A radio network controller broadcasting service data to a radio terminal in response to a service joining request from the radio terminal, the service data corresponding to the service joining request, the radio network controller comprising:  
means for providing a delivering notice of the service data to the radio terminal by a paging message.
- 15 9. The radio network controller according to claim 8, wherein the means for providing the service data delivering notice notifies the radio terminal by the paging message that notification information for the radio terminal has been changed,

and provides the service data delivering notice to the radio terminal in the notification information.

10. The radio network controller according to claim 8, wherein the means for providing the service data delivering notice notifies the radio terminal of a delivering schedule of the service data by the paging message.
11. The radio network controller according to claim 8, wherein the means for providing the service data delivering notice notifies the radio terminal by the paging message that the notification information for the radio terminal has been changed, and notifies the radio terminal of the delivering schedule of the service data in the notification information.
12. The radio network controller according to claim 8, wherein the radio terminal acquires the service data in a PICH (Paging Indication Channel) receivable state in accordance with information provided by the means for providing the service data delivering notice.
13. The radio network controller according to claim 8, wherein the service data is distributed to the radio terminal in at least one of a continuous manner and a discontinuous manner.
14. The radio network controller according to claim 8, wherein the service data includes MBMS (Multimedia Broadcast Multicast Service) data.

15. A radio terminal receiving service data broadcast from a radio network controller in response to a service joining request issued by the own radio terminal, the service data corresponding to the service joining request, the radio terminal comprising:

5 means for acquiring the service data in accordance with a delivering notice of the service data that is provided by the radio network controller by a paging message.

16. The radio terminal according to claim 15, wherein, upon notification by the paging message that notification information 10 for the own radio terminal has been changed, the service data delivering notice is received with the notification information.

17. The radio terminal according to claim 15, wherein, upon receipt of a delivering schedule of the service data notified by the paging message, the service data is acquired in accordance 15 with the delivering schedule.

18. The radio terminal according to claim 15, wherein, upon notification by the paging message that the notification information for the own radio terminal has been changed, and further receipt of the delivering schedule of the service data 20 with the notification information, the service data is acquired in accordance with the delivering schedule.

19. The radio terminal according to claim 15, wherein the service data is acquired in a PICH (Paging Indication Channel) receivable

state in accordance with information provided by the radio network controller.

20. The radio terminal according to claim 15, wherein the service data is distributed from the radio network controller in at least 5 one of a continuous manner or a discontinuous manner.

21. The radio terminal according to claim 15, wherein the service data includes MBMS (Multimedia Broadcast Multicast Service) data.

22. A data delivering method for a mobile communication system 10 broadcasting service data from a radio network controller to a radio terminal in response to a service joining request from the radio terminal, the service data corresponding to the service joining request, wherein

the radio network controller executes a step of providing 15 a delivering notice of the service data to the radio terminal by a paging message.

23. The data delivering method according to claim 22, wherein the step of providing the service data delivering notice includes notifying the radio terminal by the paging message that 20 notification information for the radio terminal has been changed, and providing the service data delivering notice to the radio terminal in the broadcast information.

24. The data delivering method according to claim 22, wherein the step of providing the service data delivering notice includes notifying the radio terminal of a delivering schedule of the service data by the paging message.

5 25. The data delivering method according to claim 22, wherein the step of providing the service data delivering notice includes notifying the radio terminal by the paging message that the notification information for the radio terminal has been changed, and notifying the radio terminal of the delivering schedule of 10 the service data in the notification information.

26. data delivering method according to claim 22, wherein the radio terminal executes a step of acquiring the service data in a PICH (Paging Indication Channel) receivable state in accordance with information provided by the radio network 15 controller.

27. The data delivering method according to claim 22, wherein the service data is distributed from the radio network controller to the radio terminal in at least one of a continuous manner and a discontinuous manner.

20 28. The data delivering method according to claim 22, wherein the service data includes MBMS (Multimedia Broadcast Multicast Service) data.

29. A program of data delivering method for a mobile communication system broadcasting service data from a radio network controller to a radio terminal in response to a service joining request from the radio terminal, the service data
- 5 corresponding to the service joining request, wherein the program causes the radio network controller to execute the step of:
  - providing a delivering notice of the service data to the radio terminal by a paging message.